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DATA PACKET PROCESSING

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ABSTRACT

3 This invention provides a data packet processing device for
4 processing data packets received from a network, including:
5 a processing means for processing data packets; an interface
6 operable to transmit data packets to and from an external
7 memory; a scheduling means for assigning priority
8 information to received data packets, wherein the priority
9 information determines an order of data packets to be
10 processed; an internal memory to store data packets; a
11 memory managing means operable to store data packets in the
12 external memory and to provide data packets in the internal
13 memory for processing in the processing means, wherein
14 depending on the priority information of each of the data
15 packets, the memory managing means provides the respective
16 data packets assigned by the respective priority information
17 in the internal memory for being processed by the processing
18 means.

19 Figure 1